

## State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott McCallum, Governor  
Darrell Bazzell, Secretary  
Gloria L. McCutcheon, Regional Director

Southeast Regional Headquarters  
2300 N. Dr. ML King Drive, PO Box 12436  
Milwaukee, Wisconsin 53212-0436  
Telephone 414-263-8500  
FAX 414-263-8606  
TDD 414-263-8713

FID #: 241905950  
County of Milwaukee

October 9, 2001

Ms. Patricia Beyer  
2855 South 45<sup>th</sup> Street  
Milwaukee, WI 53226

SUBJECT: Site Closure - Pat Beyer Property  
3024-3034 South 13<sup>th</sup> Street, Milwaukee, Wisconsin  
BRRTS#: 03-41-112567

Dear Ms. Beyer:

This letter acknowledges receipt of the well abandonment forms and a copy of the recorded groundwater use restriction document. This information is required to satisfy the closure conditions for the site. The site is now "closed" as indicated to you in the letter from the Department dated June 6, 2001.

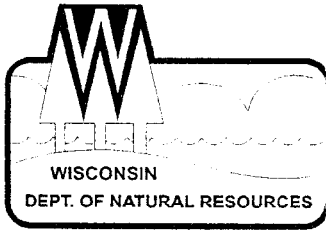
The Department appreciates the actions you have taken to investigate and remediate the contamination at this site. If you have any questions or comments, please contact me at the above address or at (414) 263-8639. Please refer to the FID number at the top of this letter in any future correspondence.

Sincerely,

Eric Amadi

Hydrogeologist - Remediation and Redevelopment Program

c: James J. Mathie Esq. - 217 Wisconsin Avenue, Suite 104, Waukesha, WI 53186  
Mark McColloch - URS Corporation, 5250 East Terrace Dr., Suite J, Madison, WI 53718  
SER Case File #: 03-41-112567



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FID #: 241905950  
County of Milwaukee

June 6, 2001

Ms. Pat Beyer  
2855 South 45<sup>th</sup> Street  
Milwaukee, WI 53226

SUBJECT: Flexible Site Closure – Pat Beyer Property  
3024-3034 South 13<sup>th</sup> Street, Milwaukee, Wisconsin  
BRRTS#: 03-41-112567

Dear Ms. Beyer:

I am pleased to inform you that the Wisconsin Department of Natural Resources (the Department) has completed the review of the above-named site for closure.

Based on the investigative and remedial documentation provided to the Department, it appears that the petroleum contamination at the above-named site has been remediated to the extent practicable under current site conditions. Therefore, the Department considers the case "closed," having determined that no further action is necessary at the site at this time. However, the case may be reopened pursuant to s.726.09, Wisconsin Administrative Code (WAC), if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety or welfare or the environment.

Residual contaminated soils above regulatory cleanup levels remain in-place at the site at this time. The soils left in-place could represent a solid waste if excavated at some point in the future and if the existing concentrations are still present. Therefore, in the event that the soils are excavated for any reason, the owner of the property will be responsible for managing the soils according to all applicable regulations of the Department.

Groundwater analytical results indicate NR 140 preventive action limit (PAL) exceedances for flouranthene, total trimethylbenzene, and flourene at MW2. Also, iron exceeds the NR 140 enforcement standard (ES) at MW2. As part of this closure, the Department hereby grants an exemption to the PAL exceedances under s. NR 140.28 (3) and to the ES exceedance for iron under s. NR 140.28 (4) WAC. This letter serves as your exemption.

To complete the closure of this site, you must place a groundwater use restriction on the property deed at the county register of deeds office which specifies the legal description of the property, the location, type and concentration of the contaminants and includes the following language:

"Natural attenuation has been approved by the Department of Natural Resources to remediate groundwater exceeding ch. NR 140 groundwater standards within the boundaries of this property. Construction of wells where water quality exceeds the

Ms. Pat Beyer  
2855 South 45<sup>th</sup> Street  
Milwaukee, Wisconsin  
Page 2.

drinking water standards in ch. NR 809 is restricted by chs. NR 811 and NR 812. Special well construction standards or water treatment requirements, or both, or well construction prohibitions may apply. Anyone who proposes to construct or reconstruct a well on this property is required to contact the Department of Natural Resources' Bureau of Drinking Water and Groundwater to determine what specific requirements are applicable prior to constructing or reconstructing a well on this property. If construction is proposed on this property that will require dewatering, or if groundwater is to be otherwise extracted from this property, while this groundwater use restriction is in effect, the groundwater shall be sampled and analyzed for contaminants that were previously detected on the property and any extracted groundwater shall be managed in compliance with applicable statutes and rules."

Within 60 days, all of the groundwater monitoring wells and other sampling points at the site must be abandoned in accordance with s. NR 141.25(1)(b), and the completed abandonment forms must be submitted to the Department. When the Department receives **the abandonment forms, and a copy of the groundwater use restriction**, this case will be tracked as closed on the Department's computer tracking system.

The Department appreciates the actions you have taken to investigate and remediate the contamination at this site. If you have any questions or comments, please contact me at the above address or at (414) 263-8639. Please refer to the FID number at the top of this letter in any future correspondence.

Sincerely,

  
Eric Amadi

Hydrogeologist - Remediation and Redevelopment Program

c: Mark McColloch - URS Corporation, 5250 East Terrace Dr., Suite J, Madison, WI 53718  
Steve Karklins - DG/2  
SER Case File #: 03-41-112567

8136892

Document Number

GROUNDWATER USE RESTRICTION

REGISTER'S OFFICE | SS  
Milwaukee County, WI

RECORDED AT 10:40 AM

09-20-2001

WALTER R. BARCZAK  
REGISTER OF DEEDS

AMOUNT 17.00

Declaration of Restrictions

In re: PARCEL 1:

Lot 34, in Block 8, in Vogel Park, being the Subdivision  
of the Southwest 1/4 of the Southwest 1/4 of Section 8,  
in Township 6 North, Range 22 East, in the City of Milwaukee.

PARCEL 2:

Lot 33, in Block 8, in Vogel Park, being the Subdivision  
of the Southwest 1/4 of the Southwest 1/4 of Section 8,  
in Township 6 North, Range 22 East, in the City of Milwaukee.

PARCEL 3:

Lot 32, in Block 8, in Vogel Park, being the Subdivision  
of the Southwest 1/4 of the Southwest 1/4 of Section 8,  
in Township 6 North, Range 22 East, in the City of Milwaukee.

Recording Area

Name and Return Address

Attorney James J. Mathie  
217 Wisconsin Ave. Ste. 104  
Waukesha, WI 53186

STATE OF WISCONSIN )  
 ) ss  
COUNTY OF MILWAUKEE )

507-1231-3 (Parcel 1)  
507-1230-8 (Parcel 2)  
507-1229-2 (Parcel 3)  
Parcel Identification Number (PIN)

WHEREAS, James A. Foti is the owner of the above-described property.

WHEREAS, one or more fuel oil discharges has occurred on this property and groundwater containing Naphthalene with a residual concentration of 190 µg/L, above the Chapter NR 140, Wis. Adm. Code, enforcement standard existed on the property at Monitoring Well-2 (MW-2) in September, 2000. The location of MW-2 is depicted on the attached Figure 2, which is hereby made a part of this restriction.

WHEREAS, it is the desire and intention of the property owner to impose on the property restrictions which will make it unnecessary to conduct further groundwater or soil remediation activities on the property at the present time.

WHEREAS, natural attenuation has been approved by the Department of Natural Resources to remediate groundwater contamination exceeding ch. NR 140, Wis. Adm. Code groundwater standards within the boundaries of this property.

WHEREAS, construction of wells where the water quality does not comply with drinking water standards in ch. NR 809, Wis. Adm. Code is restricted by chs. NR 811 and NR 812, Wis. Adm. Code. Special well construction standards or water treatment requirements, or both, or well construction prohibitions may apply.

NOW THEREFORE, the owner hereby declares that all of the property described above is held and shall be held, conveyed or encumbered, leased, rented, used, occupied and improved subject to the following limitations and restrictions:

Anyone who proposes to construct or reconstruct a well on this property is required to contact the Department of Natural Resources' Bureau of Drinking Water and Groundwater, or its successor agency, to determine what specific requirements are applicable, prior to constructing on this property unless applicable requirements are met.

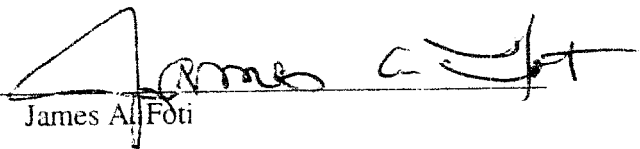
If construction is proposed on this property that will require dewatering, or if groundwater is to be otherwise extracted from this property, while this groundwater use restriction is in effect, the groundwater shall be sampled and analyzed for contaminants that were previously detected on the property and any extracted groundwater shall be managed in compliance with applicable statutes and rules.

This restriction is hereby declared to be a covenant running with the land and shall be fully binding upon all persons acquiring the above-described property whether by descent, devise, purchase or otherwise. This restriction benefits and is enforceable by the Wisconsin Department of Natural Resources, its successors or assigns. The Department, its successors or assigns, may initiate proceedings at law or in equity against any person or persons who violate or are proposing to violate this covenant, to prevent the proposed violation or to recover damages for such violation.

Any person who is or becomes owner of the property described above may request that the Wisconsin Department of Natural Resources or its successor issue a determination that one or more of the restrictions set forth in this covenant is no longer required. Upon the receipt of such a request, the Wisconsin Department of Natural Resources shall determine whether or not the restrictions contained herein can be extinguished. If the Department determines that the restrictions can be extinguished, an affidavit, attached to a copy of the Department's written determination, may be recorded to give notice that this deed restriction, or portions of this deed restriction, are no longer binding.

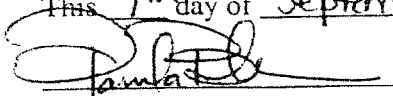
IN WITNESS WHEREOF, the owner of the property has executed this Declaration of Restrictions, this 7 day of Sept, 2001.

Signature:

  
James A. Foti

Subscribed and sworn to before me

This 7<sup>th</sup> day of September, 2001.

  
Notary Public, State of Wisconsin

My commission: 12/19/2004

This document was drafted by Attorney James J. Mathie based on information provided by the Wisconsin Department of Natural Resources.

REEL 4080 IMAGE 1010

STATE BAR OF WISCONSIN FORM 1 - 1982  
WARRANTY DEED7383421  
DOCUMENT NOThis Deed, made between Patricia Beyer, a/k/a  
Patricia A. Beyer, a single personand James A. Foti, a single personWitnesseth, That the said Grantor, for a valuable consideration,  
conveys to Grantee the following described real estate in Milwaukee  
County, State of Wisconsin:

REGISTER'S OFFICE

Milwaukee County, WI

RECORDED AT

JUN 23 1997 10 10 -

REEL 4080 IMAGE 1011

REGISTER  
OF DEEDS

THIS SPACE RESERVED FOR RECORDING DATA

NAME AND RETURN ADDRESS

James Foti  
175 E Golden Ln.  
OAK CREEK WI  
53154

PARCEL IDENTIFICATION NUMBER

507-1231-3

507-1230-3

507-1231-3

## TRANSFER

\$ 192.00  
FEE

SEE ATTACHED SHEET FOR LEGAL DESCRIPTION

7383421

RECORD 12.00

RTX 192.00

This is not homestead property  
(is) (is not)

together with all and singular the hereditaments and appurtenances thereto belonging.

And Patricia Beyer, a/k/a Patricia A. Beyer

warrants that the title is good, indefeasible in fee simple and free and clear of encumbrances except municipal and zoning ordinances and agreements entered under them, recorded easements for the distribution of utility and municipal services, recorded building and use restrictions and covenants, general taxes levied in the year of closing and will warrant and defend the same.

Dated this 16th day of June, 1997

(SEAL)

Patricia A. Beyer

(SEAL)

Patricia A. Beyer

(SEAL)

(SEAL)

## AUTHENTICATION

Signature(s) of Patricia A. Beyerauthenticated this 16th day of June, 1997Kenneth J. Dunlap

TITLE MEMBER STATE BAR OF WISCONSIN

(If not,

authorized by §706.08, Wis. Stats.)

THIS INSTRUMENT WAS DRAFTED BY

Attorney Kenneth J. Dunlap

(Signatures may be authenticated or acknowledged. Both are not necessary.)

\* Names of persons signing in an official capacity should be typed or printed below their signatures.

WARRANTY DEED

STATE BAR OF WISCONSIN  
Form No. 1 - 1982

## ACKNOWLEDGMENT

State of Wisconsin,

County

Personally came before me this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, the above named

to me known to be the person \_\_\_\_\_ who executed the foregoing instrument and acknowledged the same.

Notary Public, \_\_\_\_\_ County, Wis.

My commission is permanent (If not, state expiration date \_\_\_\_\_, 19\_\_\_\_.)

Wisconsin Legal Blank Co., Inc.  
Milwaukee, Wis.

REEL 4080 IMAG 1011

LEGAL DESCRIPTION

## PARCEL 1:

TAX KEY NO.: 507-1231-3

Lot 34, in Block 8, in Vogel Park, being the Subdivision of the Southwest 1/4 of the Southwest 1/4 of Section 8, in Township 6 North, Range 22 East, in the City of Milwaukee.

## PARCEL 2:

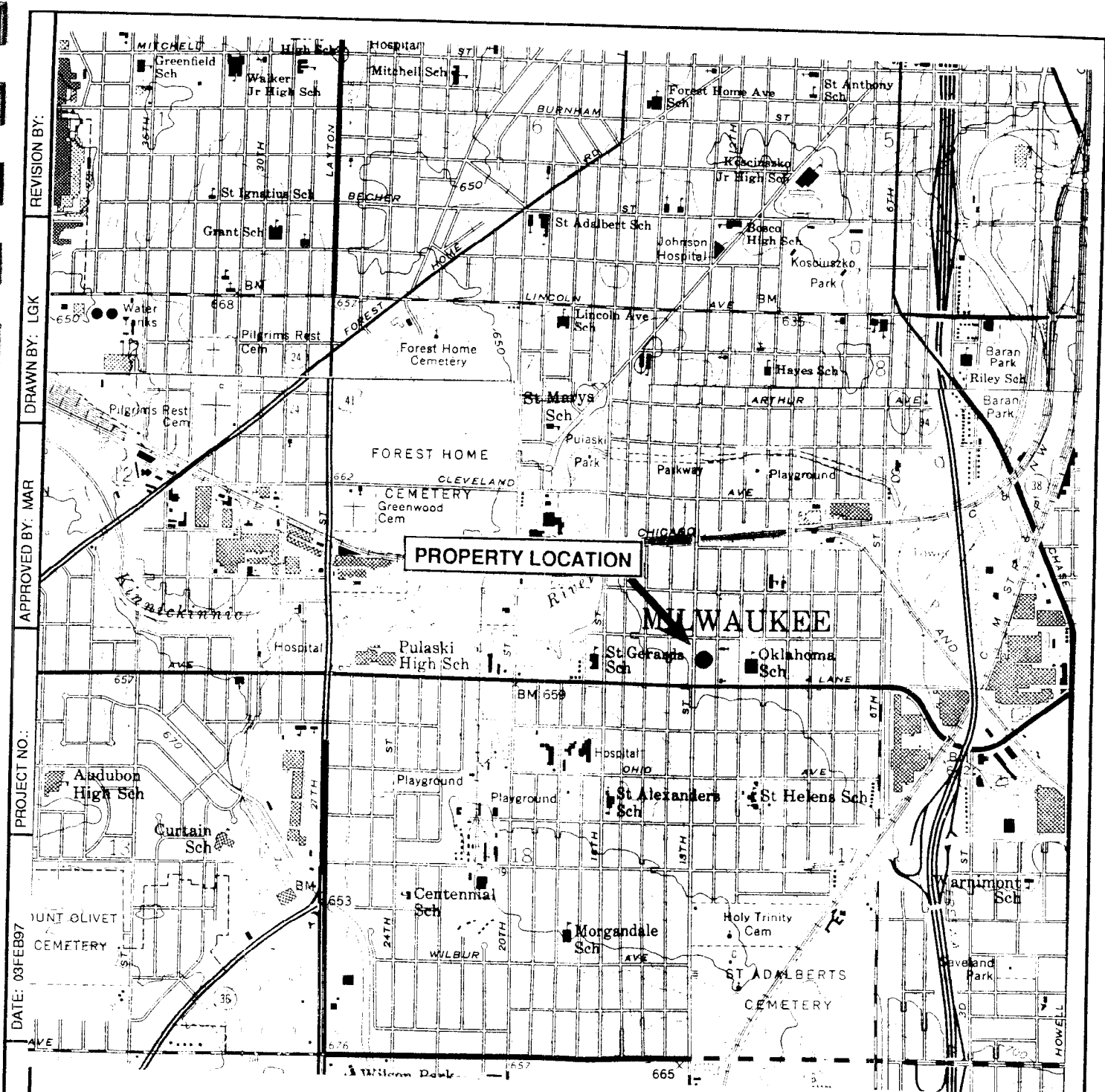
TAX KEY NO.: 507-1230-8

Lot 33, in Block 8, in Vogel Park, being the Subdivision of the Southwest 1/4 of the Southwest 1/4 of Section 8, in Township 6 North, Range 22 East, in the City of Milwaukee.

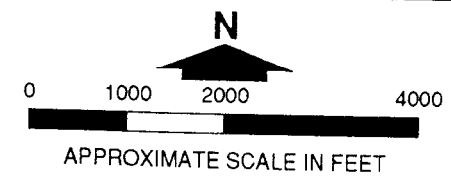
## PARCEL 3:

TAX KEY NO.: 507-1229-2

Lot 32, in Block 8, in Vogel Park, being the Subdivision of the Southwest 1/4 of the Southwest 1/4 of Section 8, in Township 6 North, Range 22 East, in the City of Milwaukee.



REVISION BY: LGK  
 DRAWN BY: MAR  
 APPROVED BY: MAR  
 PROJECT NO.:  
 DATE: 03FEB97  
 FILE NUMBER: 01  
 DISK NUMBER:



SOURCE: 7.5 Minute Topographic Map,  
 GREENDALE, WISCONSIN,  
 Photorevised 1976, Quadrangle.

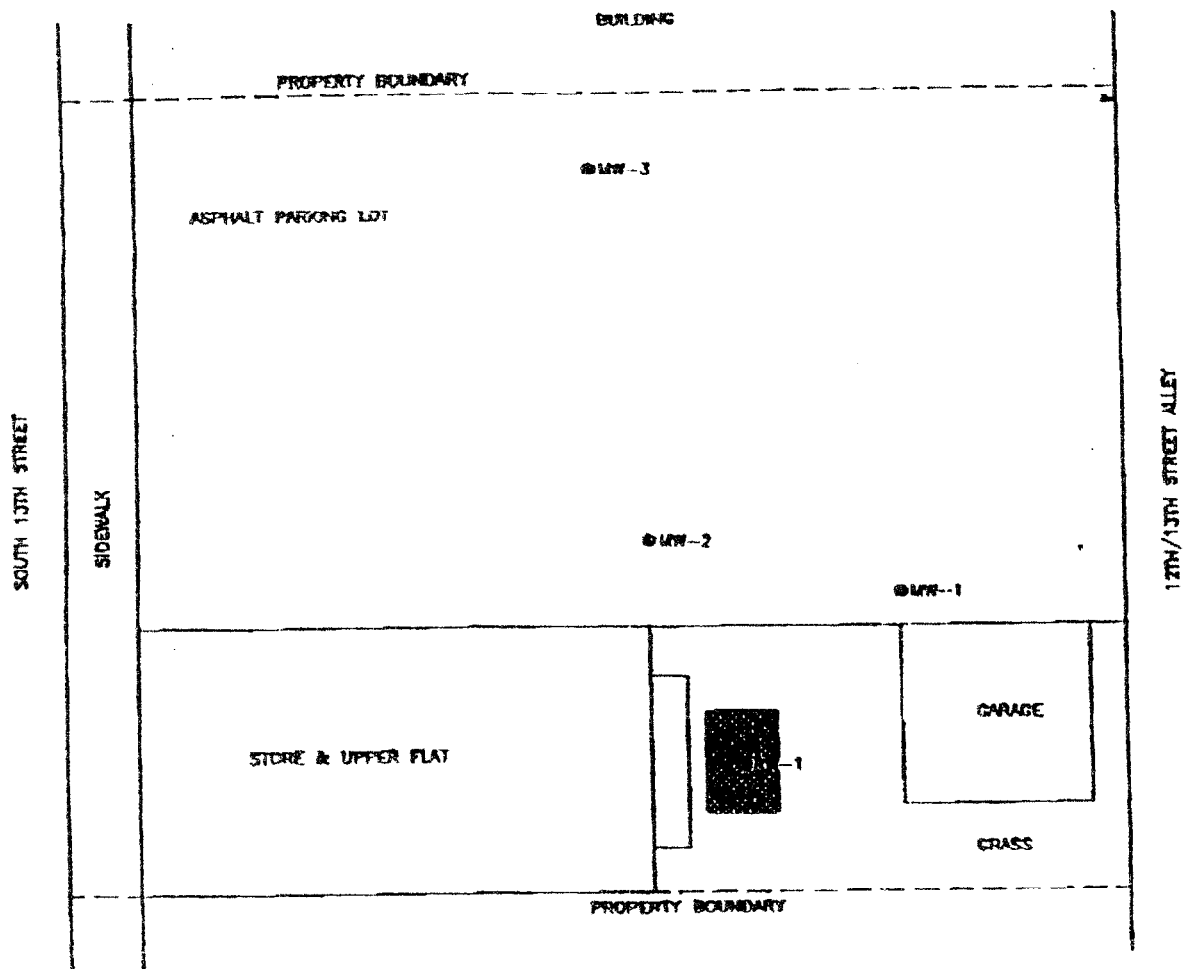
 **Midwest  
 Enviro-Sciences, Inc.**

**FIGURE 1**  
**PROPERTY LOCATION MAP**  
 PAT BEYER PROPERTY  
 3024-3034 SOUTH 13TH STREET  
 MILWAUKEE, WISCONSIN



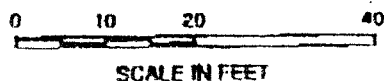


NORTH



**LEGEND**

- MW-1 MONITORING WELL LOCATION
- RW-1 RECOVERY WELL LOCATION
- FORMER UST LOCATION



**FIGURE 2  
SITE MAP**

**PAT BEYER PROPERTY  
3024-3034 SOUTH 13th STREET  
MILWAUKEE, WI**

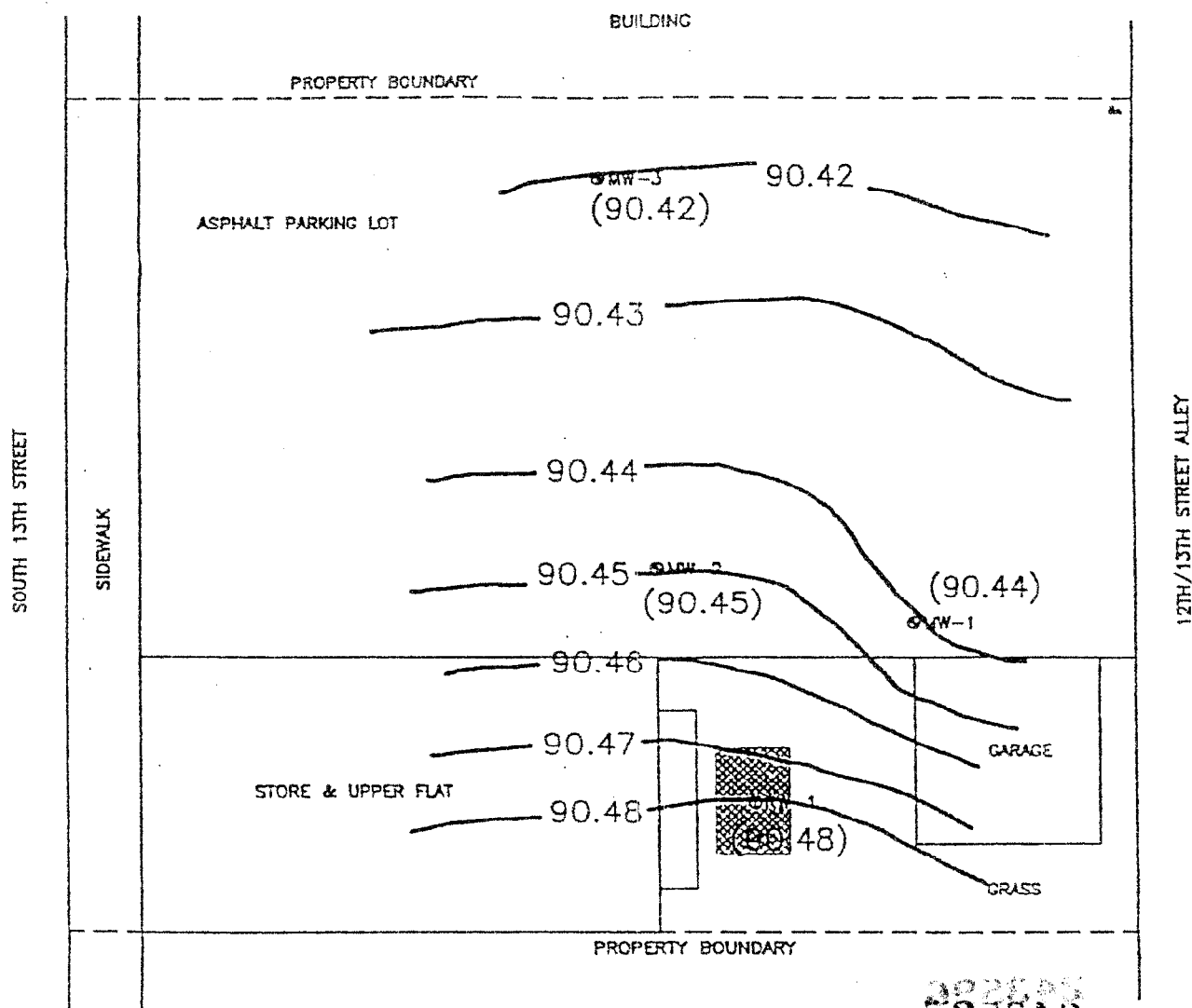
DATE: 12 JULY 2004  
JOB NO.: L2017-002  
DRAWN BY: 002  
CHECKED BY: PFM  
SCALE: 1 INCH = 20 FEET

**URS**

**Dames & Moore**  
2000 EAST TOWNSHIP AVENUE, SUITE 1  
TOWNSHIP, WI 53170  
TEL: 414.254.5656  
FAX: 414.254.1177



NORTH



LEGEND

● MW-1 MONITORING WELL LOCATION

● RW-1 RECOVERY WELL LOCATION

XXXXX FORMER UST LOCATION

(90.44) GROUNDWATER ELEVATION

GROUNDWATER ELEVATIONS MEASURED ON  
JUNE 9, 2000.

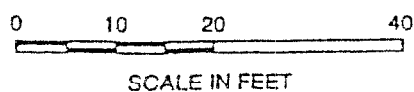


FIGURE 2  
SITE MAP

PAT BEYER PROPERTY  
3024-3034 SOUTH 13TH STREET  
MILWAUKEE, WI

DATE: 12 JULY 2000  
JOB NO.: 42017-002  
DRAWN BY: DDZ  
SCALE: 1 INCH = 20 FEET

**URS**

Dames & Moore  
3250 EAST TERRACE DRIVE, SUITE 1  
MADISON, WI 53718  
PHONE: 608.244.3656  
FAX: 608.244.1779

REVISION BY:

DRAWN BY: LGK

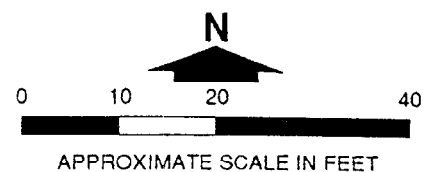
APPROVED BY: MAR

PROJECT NO.:

DATE: 10JUN97

FILE NUMBER: 06

DISK NUMBER:



SOUTH 13TH STREET

SIDEWALK

PROPERTY BOUNDARY

ASPHALT PARKING LOT

STORE AND  
UPPER FLAT

GARAGE

12TH / 13TH STREET ALLEY

**LEGEND**

- MW-1 ⊕ MONITORING WELL LOCATION
- GP-3 ○ GEOPROBE BORING LOCATION
- MW-2 ⊕ GP-2 MONITORING WELL AND  
GEOPROBE BORING LOCATION
- (3,266) TOTAL BTEX CONCENTRATION

FORMER UST LOCATION

B	8.2	⋄
T	9.5	
E	13	
X	120	

BENZENE  
 TOLUENE  
 ETHYL BENZENE  
 XYLENE  
 (Concentrations in micrograms per liter.  
 ⋄ is greater than PAL concentration.)

BTEX CONTOUR INTERVAL



Midwest  
Enviro-Sciences, Inc.

**FIGURE 6**  
**TOTAL BTEX IN GROUNDWATER CONCENTRATION**

PAT BEYER PROPERTY  
3024-3034 SOUTH 13TH STREET  
MILWAUKEE, WISCONSIN

**Table 3A**  
**August 1999 Groundwater Sample Results - PVOCs and Inorganic Compounds**

Analyte	Units	RW-1	MW-1	MW-2	MW-3	PAL	ES
PVOCs							
MTBE	µg/L	<94	<0.47	<470	<0.47	12	60
Benzene	µg/L	<100	<0.50	<500	<0.50	0.5	5
Toluene	µg/L	<100	<0.52	<520	<0.52	200	1,000
Ethylbenzene	µg/L	<220>	<0.54	<1,000>	<0.54	140	700
m/p-Xylene	µg/L	<300>	<1.0	<2,700>	<1.8>	1,000	10,000
o-Xylene	µg/L	<100	<0.50	<1,200>	<0.50		
Total Xylene	µg/L	<300>	<0.50	<3,700>	<1.8>		
1,3,5-Trimethylbenzene	µg/L	<210>	<0.52	<1,700>	<1.2>	96	480
1,2,4-Trimethylbenzene	µg/L	410	<0.55	2,900	<1.7>		
Total Trimethylbenzene	µg/L	620	<0.52	4,600	<2.9>		
Inorganics							
Temperature	C°	14.8	15.4	17.4	17.9	--	--
Dissolved Oxygen	mg/L	0.41	0.54	0.43	0.76	--	--
Iron, dissolved	mg/L	0.59	0.32	6.1	0.51	0.15	0.30
Nitrate (uncorrected for nitrite)	mg/L	<0.030	<0.030	0.2	<0.10>	2	10
Sulfate	mg/L	95	75	58	110	125	250

< Detected below Method Detection Limit

<> Detected above Method Detection Limit, but below Limit of Quantitation

ES - Enforcement Standard NR 140 Wis. Adman. Code.

PAL - Preventive Action Limit NR 140 Wis. Adman. Code.

Concentrations exceeding the ES have been shaded.

**Table 3B**  
**June 2000 Groundwater Sample Results - PVOCs and Inorganic Compounds**

Analyte	Units	RW-1	MW-1	MW-2	MW-3	PAL	ES
PVOCs							
MTBE	µg/L	<1.0>	<0.47	<19	<0.47	12	60
Benzene	µg/L	<1.7>	<0.50	<20	<0.50	0.5	5
Toluene	µg/L	<0.52	<0.52	<21	<0.52	200	1,000
Ethylbenzene	µg/L	3.6	<0.54	<27>	<0.54	140	700
m/p-Xylene	µg/L	<2.4>	<1.0	<96>	<1.0	1,000	10,000
o-Xylene	µg/L	<0.50	<0.50	<20	<0.50		
Total Xylene	µg/L	<2.4>	<0.50	<96>	<0.50		
1,3,5-Trimethylbenzene	µg/L	<1.5>	<0.52	<60>	<0.52	96	480
1,2,4-Trimethylbenzene	µg/L	6.9	<0.55	120	<0.55		
Total Trimethylbenzene	µg/L	8.4	<0.52	180	<0.52		
Inorganics							
pH	pH Units	7.1	7.5	7.2	7.4	--	--
Specific Conductance	µmhos/cm	1,567	998	1,440	1,206	--	--
Temperature	C°	12.5	11.7	12.5	13.8	--	--
Dissolved Oxygen	mg/L	1.30	0.52	0.45	0.52	--	--
Oxidation Reduction Potential	mV	88	160	37	151	--	--
Iron, dissolved	mg/L	1.2	0.28	7.5	0.31	0.15	0.30
Nitrate (uncorrected for nitrite)	mg/L	<0.042	<0.065>	<0.092>	<0.042	2	10
Sulfate	mg/L	210	220	34	180	125	250

< Detected below Method Detection Limit  
 <> Detected above Method Detection Limit, but below Limit of Quantitation

ES - Enforcement Standard NR 140 Wis. Adman. Code.  
 PAL - Preventive Action Limit NR 140 Wis. Adman. Code.  
 Concentrations exceeding the ES have been shaded.

**Table 3C**  
**September 2000 Groundwater Sample Results - PVOCs**

Analyte	Units	RW-1	MW-1	MW-2	MW-3	PAL	ES
<b>PVOCs</b>							
MTBE	µg/L	<10	<1.0	<40	<1.0	12	60
Benzene	µg/L	<5.1	<0.51	<20	<0.51	0.5	5
Toluene	µg/L	<5.1	<0.51	<20	<0.51	200	1,000
Ethylbenzene	µg/L	<5.1	<0.51	<20	<0.51	140	700
m/p-Xylene	µg/L	<12	<1.2	<46	<1.2	1,000	10,000
o-Xylene	µg/L	<5.0	<0.50	<20	<0.50		
Total Xylene	µg/L	<5.0	<0.50	<20	<0.50		
1,3,5-Trimethylbenzene	µg/L	<5.4	<0.54	<68>	<0.54	96	480
1,2,4-Trimethylbenzene	µg/L	23	<0.52	120	<0.52		
Total Trimethylbenzene	µg/L	23	<0.52	188	<0.52		

< Detected below Method Detection Limit  
 <> Detected above Method Detection Limit, but below Limit of Quantitation

ES - Enforcement Standard NR 140 Wis. Adman. Code.  
 PAL - Preventive Action Limit NR 140 Wis. Adman. Code.  
 Concentrations exceeding the ES have been shaded.

**Table 4A**  
**August 1999 Groundwater Sample Results - PAH Compounds**

Analyte	Units	RW-1	MW-1	MW-2	MW-3	PAL	ES
Acenaphthene	µg/L	54	0.12	<2,600	<0.048>	--	--
Acenaphthylene	µg/L	<3.7	<0.73	<7,300	<0.086>	--	--
Anthracene	µg/L	<1.2	0.11	<2,300	<0.023	600	3000
Benzo(a)anthracene	µg/L	<2.1	<0.55>	<4,200	<0.042	--	--
Benzo(a)pyrene	µg/L	<0.79	<0.016	<1,600	<0.016	0.02	0.2
Benzo(b)fluoranthene	µg/L	<1.1	0.12	<2,300	<0.023	0.02	0.2
Benzo(ghi)perylene	µg/L	<1.6	0.15	<3,100	<0.031	--	--
Benzo(k)fluoranthene	µg/L	<1.4	<0.049>	<2,800	<0.028	--	--
Chrysene	µg/L	<1.1	<0.066>	<2,300	<0.023	0.02	0.2
Dibenzo(a,h)anthracene	µg/L	<1.1	<0.022	<2,200	<0.022	--	--
Fluoranthene	µg/L	<2.7>	0.12	<3,400	<0.082>	80	400
Fluorene	µg/L	110	0.20	<3,100	<0.081>	80	400
Indeno(1,2,3-cd)pyrene	µg/L	<4.5	<0.090	<9,000	<0.090	--	--
Methyl-1-Naphthalene	µg/L	750	0.91	<26,000>	0.52	--	--
Methyl-2-Naphthalene	µg/L	1,200	1.3	45,000	0.81	--	--
Naphthalene	µg/L	<3.4>	0.30	<9,100>	0.38	8	40
Phenanthrene	µg/L	260	0.45	<6,600	<0.12>	--	--
Pyrene	µg/L	<1.2	0.17	<2,500>	<0.025	50	250

< Detected below Method Detection Limit  
 <> Detected above Method Detection Limit, but below Limit of Quantitation

ES - Enforcement Standard NR 140 Wis. Adman. Code.  
 PAL - Preventive Action Limit NR 140 Wis. Adman. Code.  
 Concentrations exceeding the ES have been shaded.

**Table 4B**  
**June 2000 Groundwater Sample Results - PAH Compounds**

Analyte	Units	RW-1	MW-1	MW-2	MW-3	PAL	ES
Acenaphthene	µg/L	<0.65	<0.026	<26	<0.026	--	--
Acenaphthylene	µg/L	<1.8	<0.073	<73	<0.073	--	--
Anthracene	µg/L	<0.58	<0.023	<23	0.11	600	3000
Benzo(a)anthracene	µg/L	<1.5>	<0.042	<120>	0.16	--	--
Benzo(a)pyrene	µg/L	<0.40	<0.016	<16	<0.16	0.02	0.2
Benzo(b)fluoranthene	µg/L	<0.57	<0.023	<23	0.45	0.02	0.2
Benzo(ghi)perylene	µg/L	<0.78	<0.031	120	0.40	--	--
Benzo(k)fluoranthene	µg/L	<0.69	<0.049>	<28	<0.028	--	--
Chrysene	µg/L	<0.57	<0.023	<23	0.23	0.02	0.2
Dibenzo(a,h)anthracene	µg/L	<0.54	<0.022	<22	<0.022	--	--
Fluoranthene	µg/L	4.7	<0.052>	570	0.48	80	400
Fluorene	µg/L	3.9	<0.031	240	<0.031	80	400
Indeno(1,2,3-cd)pyrene	µg/L	<2.2	<0.090	<90	0.99	--	--
Methyl-1-Naphthalene	µg/L	45	<0.097	1,700	<0.097	--	--
Methyl-2-Naphthalene	µg/L	35	<0.066	3,300	<0.066	--	--
Naphthalene	µg/L	6.3	<0.034	490	<0.034	8	40
Phenanthrene	µg/L	8.7	<0.066	760	0.22	--	--
Pyrene	µg/L	2.3	<0.025	170	0.38	50	250

< Detected below Method Detection Limit  
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**Table 4C**  
**September 2000 Groundwater Sample Results - PAH Compounds**

Analyte	Units	RW-1	MW-1	MW-2	MW-3	PAL	ES
Acenaphthene	µg/L	2.8	<0.026	<55>	<0.026	--	--
Acenaphthylene	µg/L	<1.8	<0.073	<73	<0.073	--	--
Anthracene	µg/L	2.2	<0.023	89	<0.023	600	3000
Benzo(a)anthracene	µg/L	<1.1	<0.042	<42	<0.066>	--	--
Benzo(a)pyrene	µg/L	<0.40	<0.016	<16	<0.016	0.02	0.2
Benzo(b)fluoranthene	µg/L	<0.57	<0.023	<23	<0.023	0.02	0.2
Benzo(ghi)perylene	µg/L	<0.78	<0.031	<31	<0.031	--	--
Benzo(k)fluoranthene	µg/L	<0.69	<0.028	<28	<0.028	--	--
Chrysene	µg/L	<1.3>	<0.023	<65>	0.086	0.02	0.2
Dibenzo(a,h)anthracene	µg/L	<0.54	<0.022	<22	<0.022	--	--
Fluoranthene	µg/L	<1.6>	<0.034	<90>	<0.034	80	400
Fluorene	µg/L	4.7	<0.031	110	<0.031	80	400
Indeno(1,2,3-cd)pyrene	µg/L	<2.4	<0.090	<90	<0.090	--	--
Methyl-1-Naphthalene	µg/L	51	<0.097	720	<0.097	--	--
Methyl-2-Naphthalene	µg/L	30	<0.066	1,300	<0.066	--	--
Naphthalene	µg/L	6.1	<0.034	190	<0.034	8	40
Phenanthrene	µg/L	8.2	<0.066	310	<0.066	--	--
Pyrene	µg/L	2.1	<0.025	150	<0.025	50	250

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**Table 5**  
**Historic Groundwater Monitoring Results**

Analyte	Units	RW-1								PAL	ES
		Feb. 1997	May 1997	Sep. 1997	Dec. 1997	July 1998	Aug. 1999	June 2000	Sep. 2000		
MTBE	µg/L	0.96	11	2.9	2.9	<0.20	<94	<1.0>	<10	12	60
Benzene	µg/L	3.3	82	2.9	3.8	2.8	<100	<1.7>	<5.1	0.5	5
Toluene	µg/L	12	9.3	<0.50	<0.50	<0.50	<100	<0.52	<5.1	200	1,000
Ethylbenzene	µg/L	16	13	15	27	23	<220>	3.6	<5.1	140	700
m/p-Xylene	µg/L	--	--	--	--	--	<300>	<2.4>	<12	1,000	10,000
o-Xylene	µg/L	--	--	--	--	--	<100	<0.50	<5.0		
Total Xylene	µg/L	67	120	16	14	6.4	<300>	<2.4>	<5.0		
1,3,5-Trimethylbenzene	µg/L	45	80	48	31	43	<210>	<1.5>	<5.4	96	480
1,2,4-Trimethylbenzene	µg/L	11	57	12	24	33	410	6.9	23		
Total Trimethylbenzene	µg/L	56	137	60	55	76	620	8.4	23		
Analyte	Units	MW-2								PAL	ES
		Feb. 1997	May 1997	Sep. 1997	Dec. 1997	July 1998	Aug. 1999	June 2000	Sep. 2000		
MTBE	µg/L	--	<20	<20	<10	<0.20	<470	<19	<40	12	60
Benzene	µg/L	--	<66	56	<25	21	<500	<20	<20	0.5	5
Toluene	µg/L	--	850	<50	<50	<0.20	<520	<21	<20	200	1,000
Ethylbenzene	µg/L	--	950	160	110	66	<1,000>	<27>	<20	140	700
m/p-Xylene	µg/L	--	--	--	--	--	<2,700>	<96>	<46	1,000	10,000
o-Xylene	µg/L	--	--	--	--	--	<1,200>	<20	<20		
Total Xylene	µg/L	--	1,400	410	140	120	<3,700>	<96>	<20		
1,3,5-Trimethylbenzene	µg/L	--	2,800	470	53	99	<1,700>	<60>	<68>	96	480
1,2,4-Trimethylbenzene	µg/L	--	11,000	2,100	170	250	2,900	120	120		
Total Trimethylbenzene	µg/L	--	13,800	2,570	223	349	4,600	180	188		

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**Table 5 (Continued)**  
**Historic Groundwater Monitoring Results**

Analyte	Units	MW-1								PAL	ES
		Feb. 1997	May 1997	Sep. 1997	Dec. 1997	July 1998	Aug. 1999	June 2000	Sep. 2000		
MTBE	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.47	<0.47	<1.0	12	60
Benzene	µg/L	<0.50	<0.50	<0.50	<0.50	1.0	<0.50	<0.50	<0.51	0.5	5
Toluene	µg/L	0.94	<0.50	<0.50	<0.50	1.0	<0.52	<0.52	<0.51	200	1,000
Ethylbenzene	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.54	<0.54	<0.51	140	700
m/p-Xylene	µg/L	--	--	--	--	--	<1.0	<1.0	<1.2	1,000	10,000
o-Xylene	µg/L	--	--	--	--	--	<0.50	<0.50	<0.50		
Total Xylene	µg/L	<0.50	<0.50	<0.50	<0.50	1.8	<0.50	<0.50	<0.50		
1,3,5-Trimethylbenzene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<0.52	<0.52	<0.54		
1,2,4-Trimethylbenzene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<0.55	<0.55	<0.52	96	480
Total Trimethylbenzene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<0.52	<0.52	<0.52		
Analyte	Units	MW-3								PAL	ES
		Feb. 1997	May 1997	Sep. 1997	Dec. 1997	July 1998	Aug. 1999	June 2000	Sep. 2000		
MTBE	µg/L	--	<0.20	<0.20	<0.20	<0.20	<0.47	<0.47	<1.0	12	60
Benzene	µg/L	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.51	0.5	5
Toluene	µg/L	--	1.6	<0.50	<0.50	<0.50	<0.52	<0.52	<0.51	200	1,000
Ethylbenzene	µg/L	--	<0.50	<0.50	<0.50	<0.50	<0.54	<0.54	<0.51	140	700
m/p-Xylene	µg/L	--	--	--	--	--	<1.8>	<1.0	<1.2	1,000	10,000
o-Xylene	µg/L	--	--	--	--	--	<0.50	<0.50	<0.50		
Total Xylene	µg/L	--	<0.50	<0.50	<0.50	<0.50	<1.8>	<0.50	<0.50		
1,3,5-Trimethylbenzene	µg/L	--	<1.0	<1.0	<1.0	<1.0	<1.2>	<0.52	<0.54		
1,2,4-Trimethylbenzene	µg/L	--	<1.0	<1.0	<1.0	<1.0	<1.7>	<0.55	<0.52	96	480
Total Trimethylbenzene	µg/L	--	<1.0	<1.0	<1.0	<1.0	<2.9>	<0.52	<0.52		

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